Powered by an ENERGY STAR® qualified adapter for a better environment

300Mbps Wireless N PoE Access Point

TEW-653AP(V1.0R)

The 300Mbps Wireless N PoE Access Point (model TEW-653AP) combines high speed wireless n coverage with Power over Ethernet (PoE) technology* to deliver up to 12x the speed and 4x the coverage of wireless g**. This feature rich device blends into most environments and offers Access Point, Wireless Distribution System (WDS), and Repeater mode functionality.

Define a weekly power saving schedule, view real time network traffic charts, turn off the flashing LED indicators, and assign individual VLANs*** for up to 4 separate SSIDs. Advanced antenna technology (MIMO) delivers superior range and eliminates dead spots. Synchronize wireless clients at the touch of a button with Wi-Fi Protected Setup (WPS). Advanced encryption protects valuable data and WMM® Quality of Service (QoS) technology prioritizes video and audio packets.

FEATURES

- Wi-Fi compliant with IEEE 802.11n and IEEE 802.11b/g standards
- Power device by an Ethernet cable using IEEE 802.3af Power over Ethernet (PoE) protocol
- Functional Access Point, WDS and Repeater modes provide network flexibility
- Advanced wireless security with 64/128-bit WEP, WPA/WPA2-RADIUS and WPA-PSK/WPA2-PSK
- Supports multiple SSIDs (up to 4 SSIDs) with 802.1q VLAN tagging (AP mode)
- High-speed data rates up to 300Mbps using 802.11n connection
- User isolation support (AP mode)
- Monitor bandwidth allocation through graphical interface
- Wi-Fi Protected Setup (WPS) integrates wireless clients quickly
- 802.1X Authentication protocol support
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Management via web browser
- SNMP (v1, v2c) support
- 2-year limited warranty

* Optional power port and power adapter provided for non-PoE installations.
*** Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.
*** Virtual Local Area Networks (VLAN) created separately by Web Smart switches, Managed Layer 2 switches or third party

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SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX), IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, 802.3af
Interface	• 1 x 10/100Mbps Auto-MDIX PoE LAN port
LED Indicators	• Power/Status, LAN, WLAN
Button	• Reset button – restores factory default settings
Power Supply	• Active Ethernet (Power over Ethernet, IEEE802.3af)-48VDC/0.375A • Power adapter 12V/1A
Power Consumption	• 6 watts (max)
Dimensions (Diameter x Height)	• 120mm x 50mm (4.72 x 1.97 in.)
Weight	• 280g (9.87 oz)
Temperature	• Operating: 0° ~ 45°C (32° ~ 113°F) • Storage: -20°C ~ 70°C (-4° ~ 158° F)
Humidity	• 5% ~ 95% typical (non-condensing)
Certifications	• CE, FCC
Wireless	
Module Technique	• OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK
Modes	• Access Point, WDS Bridge, Repeater
Antenna	• 4dBi smart internal antenna
Frequency	• 2.412 ~ 2.472 GHz
Management	• Web browser (HTTP); SNMP v1, v2c
Data Rate (Auto Fallback)	• 802.11n: up to 300Mbps • 802.11g: up to 54Mbps • 802.11b: up to 11Mbps
Output Power	• 802.11n: 18dBm (typical) @ 300Mbps • 802.11g: 18dBm (typical) @ 54Mbps • 802.11b: 17dBm (typical) @ 11Mbps
Receiving Sensitivity	• 802.11n: -61dBm • 802.11g: -72dBm • 802.11b: -89dBm
Encryption	• 64/128 bit WEP, WPA-PSK/WPA2-PSK, WPA/WPA2-RADIUS, WLAN L2 isolation (AP mode)
Channels	• 1-11 (FCC), 1-13 (ETSI)

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PACKAGE CONTENTS

- TEW-653AP
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Power adapter (12V DC, 1A)
- Mounting kit

RELATED PRODUCTS

TPE-224WS	24-Port 10/100Mbps Web Smart PoE Switch with 4 Gigabit Ports and 2 Mini-GBIC Slots
TEW-623PI	300Mbps Wireless N PCI Adapter
TEW-649UB	Mini Wireless N Speed USB Adapter
TPE-80WS	8-Port Gigabit Web Smart PoE Switch

ORDER INFORMATION

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